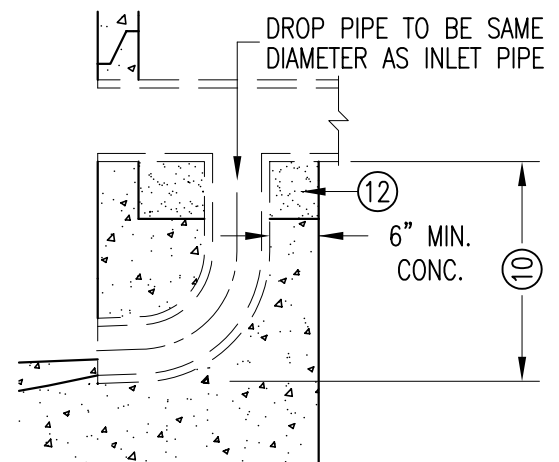


NOTES

- ① CONE SHALL BE CONCENTRIC.
- ② REFER TO PLANS AND S.D.P. 1-11 FOR CASTING REQUIRED. CASTING SHALL BE BOLTED TO CONCRETE IN FIELD APPLICATIONS.
- ③ ADJ. RINGS SHALL BE PER S.D.P. 1-12, AND BE FULLY MORTARED.
- ④ STRUCTURE SHALL BE PRECAST CONCRETE.
- ⑤ REINF. SHALL BE A MIN. OF A SINGLE LINE STEEL WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ. IN. PER FOOT IN EACH DIRECTION.
- ⑥ STEPS ARE SPACED 16" O.C. MAX. AND SHALL CONFORM TO MN/DOT S.P. 4180 J. STEPS SHALL BE ORIENTED ON THE UPSTREAM LEFT SIDE AS SHOWN.
- ⑦ ALL JOINTS TO BE GASKETED. REFER TO MN/DOT SPEC. 3726.
- ⑧ PROVIDE CONCRETE FILLETS TO FIT BOTTOM PORTION OF PIPE TO DIRECT FLOW TO OUTLET AT 1/4" PER FT. MIN. SLOPE. SHAPE CHANNELS TO HAVE SMOOTH ROUND INVERTS. DEPTH OF CHANNELS SHALL NOT BE LESS THAN 1/2 THE PIPE SIZE.
- ⑨ FOR WATER TIGHT SEAL REFER TO MN/DOT S.P. 4007 C.
- ⑩ DROP INLET USED FOR SAN. SEWER DROPS GREATER THAN 1.0 FT.
11. MAX. PIPE SIZE:
24" FOR STRAIGHT THRU TO 135°
18" FOR 90° BEND
- ⑫ DROP PIPE TO BE ENCASED IN GROUT IF FLEXIBLE PIPE, OR GRANULAR ENCASEMENT IF RIGID PIPE IS USED.



TYPE 3A FOR DROP-INLET

DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA
**STRUCTURE TYPES 3 AND 3A
(SANITARY SEWER)**

Donald Nelson
ASST. CITY ENGINEER

Paul W. Finner
DIRECTOR

SHT 1 OF 1 SHTS	DATE REVISED 6/15/07	PLATE NO. 1-03	REV. H
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